

PROCEEDINGS
OF
The American Microscopical Society
MINUTES OF THE ANNUAL MEETING
HELD IN
DENVER, COLORADO, AUGUST 29, 30, AND 31, 1901

The twenty-fourth annual meeting of the Society was called to order by President Eigenmann in room 3 of the High School, Denver, Colorado, at 2:00 P.M., Thursday, August 29, 1901. The report of the Treasurer was read and referred to an auditing committee consisting of Drs. Bleile and Weber, and it was on motion resolved that the financial year should be closed the 1st of October.

The report of the Custodian was read, showing in tabular form the contributions to the Spencer-Tolles Fund during the past year and during the previous period of its existence, the total amount of money received by interest and from other sources, and giving a statement with reference to the investment of the fund. The recommendations of the Treasurer were fully approved in a signed statement by C. C. Mellor, past Treasurer of the Society, who had examined carefully the character of the present investment. The matter of investment was referred to the Executive Committee with power, and the report itself was referred to an auditing committee consisting of Dr. Schoeney and Professor Beardsley.

The report of the special committee on the Spencer-Tolles Fund was read and referred to the Executive Committee with the recommendation that the control of the fund be left in the hands of a standing committee to be known as the Spencer-Tolles Fund Committee, but that the apportionment of the fund be charged to the Executive Committee.

A new by-law regulating these features was offered as follows:

BY-LAW No. IX.—There shall be a standing committee known as the Spencer-Tolles Fund Committee to take general charge of the fund and to recommend annually what part of the income shall be expended for the encouragement of research, but the apportionment of the sum thus set apart shall be made by the Executive Committee. The Spencer-Tolles Fund Committee shall also have general charge of the expenditure of such money as may be apportioned, under the conditions laid down by the Society for its use. The Custodian shall be an *ex-officio* member of this committee.

The by-law was referred to the Executive Committee.

The following by-law was also offered and referred:

BY-LAW No. X.—The Executive Committee shall have the power annually to appoint two members to represent the Society on the Council of the American Association for the Advancement of Science, in accordance with the regulations of the latter organization.

The following amendments to the constitution were offered and laid over one year under the rules:

To amend art. III by inserting "a custodian," making lines 5 and 6 read in conformity to this change, "together with a Secretary, a Treasurer, and a Custodian, who shall be elected," etc.

To amend art. IV by inserting in place of "of the Treasurer to act as custodian of" the clause "of the Custodian to take charge of," etc.

To amend art. V by adding "who still retain membership in this Society."

To amend art. VII by adding "But any person duly elected may, upon payment of \$50 at one time, become a life member, entitled to all the privileges of membership, but exempt from further dues and fees."

SECOND SESSION

At 8:00 P.M. the Society convened in the audience room of the Denver High School for the annual address and reception given under the auspices of the Colorado Microscopical Society. The program was opened by a piano solo, after which the President of the Colorado Microscopical Society, Dr. A. M. Holmes of Denver, extended a cordial welcome to the national organization. The response was spoken in fitting terms by the retiring President of the Society, Dr. A. M. Bleile. After another musical number the President's address was read by Prof. C. H. Eigenmann on "The solution of the

eel problem." It was illustrated by charts and lantern slides, and proved of great interest. At its close an informal reception was tendered the Society and its guests by the Colorado Microscopical Society at which members and guests spent some time in social enjoyment. The occasion was voted one of the most successful which the Society has been privileged to enjoy.

THIRD SESSION

On Friday, August 30, the Society was called to order at 9:00 A.M. in the Denver High School, Dr. A. M. Bleile being designated temporary presiding officer and Prof. A. E. Beardsley secretary *pro tem.* during the necessary absence of the regular officers. The by-laws IX and X were returned from the Executive Committee with a favorable recommendation, and on motion both were duly adopted. The committee then announced as members of the Council of the A. A. A. S. for 1901 Mr. J. C. Smith and Dr. A. M. Holmes.

An amendment to by-law No. III was offered as follows:

To add "But if not decided, the Secretary shall, unless otherwise ordered by the Executive Committee, print the same number as for the preceding year."

This by-law, being recommended by the Executive Committee, was unanimously adopted.

The report of the Committee on the Spencer-Tolles Fund was returned from the Executive Committee and the recommendations adopted as read. The past committee was continued as the Spencer-Tolles Fund Committee, as provided for in by-law IX, just adopted. The thanks of the Society were formally voted to each of the many generous contributors toward this fund, a list of whom is given on page 267, and the Secretary was ordered to send a copy of the committee's report and of this action to each of them.

A nominating committee was appointed, consisting of Dr. A. M. Bleile, Mrs. Cornelia S. Mills, Prof. M. J. Elrod, Dr. L. Schoeney, and Prof. D. Bodine.

In view of the considerable number of authors absent, it was resolved that papers be read by title unless the author were present in person. The following papers were then considered:

The early morphogenesis and histogenesis of the liver in the pig:
D. C. Hilton, Chicago, Ill.

The histology of the stigmata and stomata in the peritoneum: A. E. Hertzler, Halstead, Kan.

A rearrangement of the families and genera of the Conjugatae: C. E. Bessey, Lincoln, Neb.

A new species of *Crenothrix* (*C. manganifera*): D. D. Jackson, New York City.

The amount of dissolved oxygen and carbonic acid in natural waters and the effect of these gases on the occurrence of the microorganisms: G. C. Whipple and H. N. Parker, New York City.

Notes on Colorado Protozoa, with description of new species: A. E. Beardsley, Greeley, Col.

Notes on Colorado Entomostraca: A. E. Beardsley, Greeley, Col.

A review of the American species of *Cochleophorus* and *Curvipes*: R. H. Wolcott, Lincoln, Neb.

An apparently new hydra from Montana: M. J. Elrod, Missoula, Mont.

Some histological features of Echinorhynchi (illustrated): H. W. Graybill, Lincoln, Neb., was read in brief by H. B. Ward, and a specimen showing the giant nuclei was demonstrated under the microscope.

The debt of American microscopy to Spencer and Tolles: W. C. Krauss, Buffalo, N. Y.

Some new points on avian cestodes: B. H. Ransom, Bancroft, Neb.

A contribution to the subterranean fauna of Texas: C. J. Ulrich, Duluth, Minn.

Mounting soft tissues for microscopical examination: M. A. D. Jones, New York City.

Modification of some standard laboratory apparatus: S. H. Gage, Ithaca, N. Y.

Laboratory photographic apparatus: S. H. Gage, Ithaca, N. Y.

The plankton of Lake Maxinkuckee, Ind.: Chancey Juday.

Studies on the genus *Cittotaenia*: R. A. Lyman, Omaha, Neb.

A letter was read from Dr. William Trelease, Director of the Missouri Botanical Garden, extending to the Society, on behalf of the local scientific organizations and the Louisiana Purchase Exposition Company, an invitation to hold its 1903 meeting in the city of St. Louis. The letter was referred to the Executive Committee and the question of date and place of the next meeting was also similarly referred.

It was voted to accept the invitation to join the excursion to Boulder, Col., tendered by the University of Colorado for the afternoon, and to take the trip to Colorado Springs, Manitou, and the Garden of the Gods, tendered by Colorado College and the Chamber of Commerce of Colorado Springs on Saturday. It was also voted to hold the final session of the Society on the train *en route* to Colorado Springs, Saturday morning. The Society then adjourned.

FOURTH SESSION

The Society was called to order by the President at 9:30 A.M. August 31, while *en route* to Colorado Springs. The Executive Committee recommended that the Secretary be authorized to send some of the back volumes on hand to a selected list of foreign societies, and to add them to the list of organizations to which the Proceedings are regularly distributed. It was further recommended that, in the opinion of the committee, Proceedings should not be distributed gratis in this country, but that in exceptional cases prominent foreign societies might receive the Transactions regularly. The report of the committee was adopted, and the Transactions ordered sent to the organizations as designated by the Executive Committee.

The Nominating Committee reported as follows:

FOR ONE YEAR

President, Dr. Charles E. Bessey, University of Nebraska, Lincoln, Neb.

First Vice-President, Dr. E. A. Birge, University of Wisconsin, Madison, Wis.

Second Vice-President, Mr. John Aspinwall, New York City.

Elective Members of the Executive Committee: Dr. A. M. Holmes, Denver, Col.; Dr. V. A. Latham, Chicago, Ill.; Mr. G. C. Whipple, New York City.

FOR THREE YEARS

Secretary, Dr. Henry B. Ward, University of Nebraska, Lincoln, Neb.

Treasurer, Mr. J. C. Smith, New Orleans, La.

Custodian, Mr. Magnus Pflaum, Pittsburg, Pa.

The Society appointed Professor S. H. Gage and Mr. Magnus

Pflaum a committee to draw up suitable resolutions of respect for Ex-President E. W. Claypole, expressing its appreciation of the services rendered the organization by Professor Claypole as well as the great loss experienced in his death.

[The committee has prepared the following testimonial which, in accord with the instructions of the Society, is spread upon its records as a token of its indebtedness to one who did so much for its welfare as an organization and for individual members in personal assistance and encouragement.]

In the death of Professor Edward W. Claypole science lost a most earnest devotee and this Society a highly esteemed member.

He was a conscientious student and his knowledge was profound. His mind was wholly given to his profession, and, as a true scientist, he constantly learned and broadened his mind to be better able to impart knowledge. And though the cold facts of science engaged all his faculties to the exclusion almost of the trivialities of common life, yet his heart grew apace, and few men enjoyed a happier family life in which he gave and received blessings.

As a member of our Society his presence at meetings was always a delight. Kind, genial, modest, sincere, he was the center of admiring friends, and, with his family, almost an object of envy and an inspiration to others.

Of such men the world has too few; he will long be remembered.

On behalf of the American Microscopical Society,

MAGNUS PFLAUM,

SIMON HENRY GAGE,

Committee.

The Secretary was instructed to insist on the completion of papers promptly and issue the volume at an earlier date than heretofore.

The Society adopted unanimously a vote of thanks to the Colorado Microscopical Society and its officers for hospitality extended to the American Microscopical Society, to the musicians who assisted at the reception on Thursday evening, to the many citizens of Colorado who officially and personally had contributed so much to make the meeting a success, and especially to those who had aided in planning and carrying out the excursions tendered the organization.

On motion the Society then adjourned.

HENRY B. WARD,

Secretary.

TREASURER'S REPORT

FROM SEPTEMBER 20, 1900, TO OCTOBER 15, 1901

DR.

To Membership dues, 1899	\$ 4 00	
To Membership dues, 1900	25 00	
To Membership dues, 1901	276 00	
To Membership dues, 1902	48 00	
	\$ 353 00	
To Admission fees, 1901	\$ 18 00	
To Admission fees, 1902	27 00	
	45 00	
To Subscribers, Vol. XXI	\$ 28 00	
To Subscribers, Vol. XXII	33 00	
	61 00	
To Advertising, Vol. XX	\$ 2 00	
To Advertising, Vol. XXII	76 00	
	78 00	
To Donation		25 00
To Balance due Treasurer		61 53
		\$623 53

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By Postage, Secretary	\$ 25 41	
By Postage, Treasurer	7 00	
	\$ 32 41	
By Expressage, Secretary		29 65
By Stationery and Printing, Secretary	\$ 23 08	
By Stationery and Printing, Treasurer	3 50	
	26 58	
By Typewriting, Secretary	\$ 21 48	
By Sundries, Secretary	9 46	
By Bank Charges, Treasurer	3 15	
	34 09	
By Issuing Vol. XXII, Printing	\$111 50	
By Issuing Vol. XXII, Plates	51 48	
	462 98	
By Cash return to Treasurer		37 82
		\$ 623 53

We hereby certify that we have examined the foregoing accounts and find the same correct with proper vouchers for expenditures.

A. M. BLEILE,
H. A. WEBER,
Auditing Committee.

CUSTODIAN'S REPORT FOR YEAR ENDING JULY 1, 1901

SPENCER-TOLLES FUND

Reported at New York Meeting.....	\$ 756 01
Dividends.....	57 99
Sale of Proceedings.....	61 01
Contributions.....	269 11
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	\$1,144 12
Pledges (since paid).....	55 88
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	\$1,200 00
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Total increase for year.....	\$ 388 11

ANNUAL GROWTH

Year.	Increase.	Total.
1885.....		\$ 60 20
1886.....	\$ 25 00	85 20
1887.....	10 00	95 20
1888.....	52 66	147 86
1889.....	76 00	223 86
1890.....	30 00	253 86
1891.....	39 02	292 88
1892.....	19 12	312 00
1893.....	18 06	330 06
1894.....	19 32	349 38
1895.....	22 89	372 27
1896.....	50 77	423 04
1897.....	45 99	469 03
1898.....	86 43	555 46
1899.....	97 90	653 36
1900.....	102 65	756 01
1901.....	388 11	1,144 12

MAGNUS PFLAUM, *Custodian.*

DENVER, COLO., August 30, 1901.

The Auditing Committee appointed to audit the report of the Custodian of the Society report that we have carefully examined the records of the Custodian, Magnus Pflaum, together with the records and vouchers thereunto pertaining, and that we find that the said report of the Custodian is in complete accord with the records and vouchers above mentioned.

A. E. BEARDSLEY,
L. SCHONEY,
Auditing Committee.